

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2009 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>ST0007</b>	Overall LMA Rating	Total LMA Miles				
<b>Sacramento Maintenance Yard Putah Creek</b>	<b>A</b>	<b>16.29</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Trim / Thin Trees	0.11		0.11	0.68%		
Encroachments	0.01		0.01	0.06%	3.08	
Animal Control	0.06		0.06	0.37%		
Erosion / Bank Caving	0.02		0.02	0.12%		
<i>LMA Totals:</i>	0.20	0.00	0.20	1.23%	3.08	0.00
<b>Unit No. 01 Putah Creek or North Levee</b>	Overall Unit Rating	Total Unit Miles				
	<b>A</b>	<b>8.99</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Encroachments	0.01		0.01	0.11%	2.44	
<i>Unit Totals:</i>	0.01	0.00	0.01	0.11%	2.44	0.00
<b>Unit No. 02 Putah Creek or South Levee</b>	Overall Unit Rating	Total Unit Miles				
	<b>A</b>	<b>7.30</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Trim / Thin Trees	0.11		0.11	1.51%		
Encroachments					0.64	
Animal Control	0.06		0.06	0.82%		
Erosion / Bank Caving	0.02		0.02	0.27%		
<i>Unit Totals:</i>	0.19	0.00	0.19	2.60%	0.64	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2009 Levee Inspection Results**

**Sacramento Maintenance Yard Putah Creek**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2009 Levee Inspection Results**

**Sacramento Maintenance Yard Putah Creek**

Waterway			Bank	Unit Miles
Unit No. 01 Putah Creek or North Levee			Left	8.99
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/12/2009		9/24/2009	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Room LL-30  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2009**

**Sacramento Maintenance Yard Putah Creek**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee						Left	8.99	10/16/2009 10/16/2009	Herman Phillips

  

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.27	0.34	Earthen Levee	Encroachments	LS	PO	Landscaping	38.520305 ° -121.633168 °	38.520000 ° -121.634358 °	2
2	0.29	0.29	Earthen Levee	Encroachments	LS	PO	Buildings	38.520177 ° -121.633528 °	38.520177 ° -121.633530 °	3
3	0.60	1.16	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.519632 ° -121.639083 °	38.517177 ° -121.648702 °	11
4	1.23	1.23	Earthen Levee	Encroachments	LS	M	Equipment	38.516752 ° -121.649758 °	38.516752 ° -121.649758 °	4
5	1.55	2.72	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.515288 ° -121.655077 °	38.517438 ° -121.676068 °	13 Y
6	5.43	5.49	Earthen Levee	Encroachments	WS	C	Crops	38.518120 ° -121.723325 °	38.518137 ° -121.724433 °	14
7	5.79	5.89	Earthen Levee	Encroachments	WS	PO	Crops	38.518305 ° -121.729815 °	38.518420 ° -121.731763 °	15
8	6.76	6.93	Earthen Levee	Encroachments	LS	PO	Fences	38.517635 ° -121.747220 °	38.517675 ° -121.750247 °	5
9	7.03	7.07	Earthen Levee	Encroachments	LS	PO	Fences	38.517565 ° -121.751940 °	38.517600 ° -121.752697 °	17
10	7.03	7.07	Earthen Levee	Encroachments	LS	C	Landscaping	38.517563 ° -121.751980 °	38.517582 ° -121.752762 °	8
11	8.50	8.82	Earthen Levee	Encroachments	LS	PO	Fences	38.521580 ° -121.777172 °	38.523932 ° -121.782100 °	20

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected  
C : Corrected

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2009**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.99	10/16/2009 10/16/2009	Herman Phillips

Levee Mile Report Line	5
Start Levee Mile	1.55
End Levee Mile	2.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments

This ditch is located within the 10-foot easement and has been at this location for several years.

phillips\_20091216\_31.jpg



Levee Mile Report Line	5
Start Levee Mile	1.55
End Levee Mile	2.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Another view of ditch looking downstream landward.

phillips\_20091216\_32.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2009 Levee Inspection Results**

**Sacramento Maintenance Yard Putah Creek**

Waterway			Bank	Unit Miles
Unit No. 02 Putah Creek or South Levee			Right	7.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/12/2009		9/24/2009	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Check one:

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- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee						Right	7.30	10/16/2009 10/16/2009	Herman Phillips

  

LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.28	Earthen Levee	Encroachments	WS PO	Agricultural Ditch		38.504930 ° -121.663150 °	38.508830 ° -121.663280 °	24
2	0.17	0.31	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.507113 ° -121.662687 °	38.508968 ° -121.663432 °	3
3	0.20	0.30	Earthen Levee	Encroachments	WS PO	Agricultural Ditch		38.507410 ° -121.662727 °	38.508775 ° -121.663228 °	26
4	1.09	1.10	Earthen Levee	Erosion / Bank Caving	WS M	Note and monitor erosion site. Inspector Comments: This location erosion site has been partially repaired by the land owner however there is some controversial issues here between the Maintenance yard and owner as to who is responsible for repairs. PICTURES and a report has been taken on this site.		38.511645 ° -121.676747 °	38.511612 ° -121.676770 °	27 Y
5	2.10	2.13	Earthen Levee	Animal Control	LS M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.		38.515348 ° -121.694042 °	38.515398 ° -121.694590 °	22
6	2.10	2.13	Earthen Levee	Animal Control	WS M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.		38.515350 ° -121.694110 °	38.515385 ° -121.694558 °	23
7	5.89	6.08	Earthen Levee	Animal Control	LS C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.		38.516072 ° -121.760790 °	38.516623 ° -121.764052 °	5
8	5.93	5.95	Earthen Levee	Encroachments	LS C	Agricultural Ditch		38.516680 ° -121.764310 °	38.516660 ° -121.765130 °	25
9	6.42	6.42	Earthen Levee	Erosion / Bank Caving	LS M	Note and monitor erosion site.		38.517417 ° -121.769950 °	38.517417 ° -121.769953 °	28
10	6.59	6.65	Earthen Levee	Encroachments	WS PO	Crops		38.518088 ° -121.772947 °	38.518353 ° -121.773935 °	6
11	6.64	6.66	Earthen Levee	Trim / Thin Trees	WS M	Trim trees to at least five feet above ground level.		38.518270 ° -121.773698 °	38.518357 ° -121.773960 °	29
12	6.70	6.72	Earthen Levee	Trim / Thin Trees	LS M	Trim trees to at least five feet above ground level.		38.518622 ° -121.774525 °	38.518730 ° -121.774767 °	30
13	6.76	6.82	Earthen Levee	Trim / Thin Trees	LS M	Trim trees to at least five feet above ground level.		38.519022 ° -121.775298 °	38.519585 ° -121.776285 °	31
14	7.16	7.16	Earthen Levee	Trim / Thin Trees	WS M	Trim trees to at least five feet above ground level.		38.522242 ° -121.781460 °	38.522242 ° -121.781463 °	32
15	7.24	7.30	Earthen Levee	Encroachments	WS PO	Crops		38.522752 ° -121.782912 °	38.522685 ° -121.784757 °	13

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**Levee Inspection Report By Mile - Fall 2009**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.30	10/16/2009 10/16/2009	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	1.09
End Levee Mile	1.10
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Photo shows partial repair of slope damage.

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Levee Mile Report Line	4
Start Levee Mile	1.09
End Levee Mile	1.10
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

slope damage some repairs made. Proper repair need to be done at this site with compaction test to verify compaction.

phillips\_20091216\_29.jpg



Levee Mile Report Line	4
Start Levee Mile	1.09
End Levee Mile	1.10
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Another view standing on toe of slope looking upstream.

phillips\_20091216\_30.jpg



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